

# Drinking Water State Revolving Fund 2008 Loan Application Form

## SECTION I: APPLICANT INFORMATION



<b>Borrower:</b>	Cristalina LLC		
<b>Water System Name:</b>	Cristalina		
<b>PWSID Number:</b>	03014H		
<b>Street Address:</b>	PO Box 2626		
<b>City:</b>	Bellingham	<b>State:</b>	WA <b>Zip Code:</b> 98227
<b>Federal Tax ID #:</b>	91-2048472	<b>UBI Number:</b>	602 035 461
<b>Project Title:</b>	System Improvements		
<b>Project Description:</b>	Improvements to entire system to remedy low pressure and reliability problems. Specifically, standpipe or elevated storage to maintain pressure and provide adequate storage during power outages. Distribution system improvements to help areas of low pressure		
<b>Project Site Address (include City &amp; County)</b>	Ravensdale WA 98051		
<b>Total Request:</b>	\$ 555,500 (Include 1% loan fee. Loan request should match figure on page 12, F (c))		
<b>County:</b>	King	<b>Legislative District:</b>	31
<b>Congress. District:</b>	<a href="http://apps.leg.wa.gov/districtfinder/congress.aspx">http://apps.leg.wa.gov/districtfinder/congress.aspx</a> 8	<a href="http://apps.leg.wa.gov/DistrictFinder/statewide.aspx">http://apps.leg.wa.gov/DistrictFinder/statewide.aspx</a> <b>Watershed Resource Inventory Area (see Guidelines, Appendix M):</b> 8	
<b>Contacts (List Two):</b>	1) Maria Lindberg		2) Lloyd Hall
<b>Street Address:</b>	1200 Old Fairhaven Pkwy #106		
<b>Mailing Address:</b>	1200 Old Fairhaven Pkwy #106		PO Box 45466
<b>City / State / Zip:</b>	Bellingham WA 98225		Tacoma, WA 98448
<b>Telephone:</b>	360.296.7321		(253) 740-4620
<b>Fax:</b>	360.954.4211		
<b>Email:</b>	maria@lindberggroup.com		
<b>Consulting Firm:</b>			
<b>Contact Person:</b>			
<b>Mailing Address:</b>			<b>City / State / Zip:</b>
	Phone	Fax	Email:

**SECTION I: APPLICANT INFORMATION****OWNERSHIP / SYSTEM TYPE:**

<b>Ownership Type:</b>	<input type="checkbox"/> Publicly-owned	<input checked="" type="checkbox"/> Private For-Profit	<input type="checkbox"/> Private Nonprofit	<input type="checkbox"/> Tribal
		Type of Business:		
		Years in Business:		
<b>Water System Type:</b>	<input checked="" type="checkbox"/> Group A Community	<input type="checkbox"/> Group A Transient, Non-community*	<input type="checkbox"/> Group A Non-transient, Non-community*	
	<input type="checkbox"/> Group B	<input type="checkbox"/> Individual Water Supply	<input type="checkbox"/> Creating a New Group A System	

**Number of years managing the water system:** 5

*\*If the water system is classified as a nonprofit non-community public water system, attach a photocopy of the federal nonprofit certification document. (see page 3 of Drinking Water State Revolving Fund 2008 Guidelines for additional information on nonprofit non-community)*

*If the project is to create a new Group "A" system, contact the DOH Regional Office.*

**STATUS OF WATER SYSTEM PLAN:**

<b>Does the water system have a current DOH-approved Water System Plan?</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Does the water system have a current DOH-approved Small Water System Management Program?</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>The project must be included in a current DOH-approved Water System Plan or Small Water System Management Program. The deadline for submitting a Water System Plan, Water System Plan Amendment, or Small Water System Management Program to DOH is September 30, 2008. Systems that fail to meet this deadline will become ineligible for funding. Submittal by the deadline does not guarantee DOH approval. The required plan must be approved by January 31, 2009. Potential applicants are encouraged to contact their DOH regional office immediately to find out their planning requirements.</i>	
<b>Is the proposed project included in a DOH-approved plan?</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>If "YES", refer to section of the plan that references proposed project:</b>	
<i>If "NO", then the water system must amend their current Water System Plan. The deadline for submitting a Water System Plan Amendment to DOH September 30, 2008. Contact your DOH regional office for more information.</i>	

**STATUS OF PROJECT REPORT:**

<b>Has a Project Report been completed for the proposed project?</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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## SECTION I: APPLICANT INFORMATION

### COMPLIANCE STATUS:

<b>Compliance:</b>	Is this system out of compliance with DOH requirements (e.g. active enforcement order, bilateral compliance agreement, or red, yellow or blue operating permit related to infrastructure)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	If "yes", will this project bring the system into compliance?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If this project will not bring system into compliance, explain how and when the system will come into compliance.		

### OPTIONAL BONUS POINTS (see Guidelines, Appendix E for details):

#### Does the system want to be considered for:

<b>The "Affordability" points?</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>If "YES", please enter the system's current average annual water rates or documented water rates to be implemented after project construction (per Equivalent Residential Unit).</b> <i>In order to receive bonus points, system must submit documentation as part of this application, of the system's current average annual water rates or documented water rates to be implemented after project construction. Rates identified in a water system plan, plan amendment, small water system management program, project report, or rates formally approved by the water system may be used as documentation.</i>	\$
<i>Equivalent Residential Unit calculations are shown in the Guidelines, Appendix P. Bonus points are calculated at time of DOH project review.</i>	

#### The "Restructuring Benefit" points?

<i>If "YES", list system names and public water system identification numbers on page 9.</i> <i>Note: A project that will result in physically restructuring (consolidating) water systems will receive three (3) bonus points for each system being eliminated by the project (no maximum points).</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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#### The "Regional Benefit" points?

<i>If "YES", list system names and public water system identification numbers on page 9.</i> <i>Note: A project that will benefit more than one water system will receive one (1) bonus point for each additional system benefiting by the project, up to a maximum of five (5) points.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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#### The "Service Meter" points?

*Applicants must have service meters on all services, with the following exceptions:*

- 1) System is a transient, non-community water system;*
- 2) System serves a mobile home park or apartment complex and has a master meter;*
- 3) On a case by case basis, if DOH determines that the cost of the meters is prohibitive for the DWSRF project as a whole and waiving the meter requirement is necessary to move the project forward and promote priority public health issues.*

*Note: the applicant must request this waiver below. Very few projects will be granted waivers. Applicants must enter estimated service meter costs in the application on page 10, Section III, Estimated Project Costs. If applicant is granted a waiver, the DWSRF loan request will be reduced by the amount of the service meter costs. It is important to note that two (2) bonus points will be awarded to projects that include installing service meters on unmetered services. See Guidelines, page 6 for details.*

**SECTION I: APPLICANT INFORMATION**

Does the water system have service meters on all existing services?

☐ YES ☒ NO

If "NO", does the project include metering of all unmetered services?

☒ YES ☐ NO**SOURCE METER INFORMATION:**

Will the project add any new sources, e.g. interties, new wells, etc.?

☐ YES ☒ NO

Are all existing sources metered?

☐ YES ☒ NO

Will this project complete the metering of all existing and new sources?

☒ YES ☐ NO ☐ N/A*If "No," contact the DOH Regional Office before submitting this application.*

If the system is not fully metered and the project does not include metering, please check applicable box:

- ☐ The system is a transient, non-community water system
- ☐ The system serves a mobile home park or apartment complex and has a master meter
- ☐ The applicant is requesting DOH to waive the service meter requirement

## SECTION I: APPLICANT INFORMATION

### NUMBER OF LOAN APPLICATIONS:

**How many applications are being submitted? 1**

*Note: Contact the DOH Regional Office if you are uncertain about the number of applications you should submit. A separate application must be submitted for each project, with the following exceptions:*

- *A group of projects necessary to solve a single problem must be contained in a single application. Example: Project is for disinfection, therefore, system needs to install chlorination facilities, reservoir for contact time, etc.*
- *A group of projects all required to bring a water system into compliance with all applicable federal and state enforcement actions must be contained within a single application. Public health compliance issues and enforcement actions are considered high priority and may differ from water system plan and sanitary survey requirements.*
- *Multiple main replacement projects can be submitted within a single application because they are likely to receive identical scores.*

*Exception: Service meters cannot be a project in itself and must be included in a project that contains a capital construction component.*

***If the water system is submitting one DWSRF application that will finance more than one project, explain here why each project is not submitted as a separate application. If more than one project is included in a single application, explain here how they meet the exceptions. (See note above). Each application will be scored and ranked separately. Funding one application does not guarantee funding of the others.***

## SECTION II: PROJECT INFORMATION

### A: PURPOSE OF PROPOSED PROJECT: Check all that apply. (see Guidelines, Appendix E for Scoring Information)

**RISK CATEGORY 1:** Requires evidence that the system has a surface water treatment rule compliance problem or has a documented history of microbiological problems that will be addressed by the proposed project in order to receive a basic score in this category. This category includes only disinfection projects; source projects, including source reconstruction and new sources that replace existing sources; and covering, repair, replacement or other improvements to existing distribution reservoirs.

- ☐ New Source
- ☐ Source Reconstruction
- ☐ Disinfection Improvements
- ☐ Filtration
- ☒ Reservoir Improvement/Replacement
- ☒ Other, Specify Eliminate microbial risk due to low pressure.

**RISK CATEGORY 2:** Project will eliminate Primary Inorganic Chemical Risk (ex: antimony, arsenic, asbestos, barium, beryllium, cadmium, chromium, copper, cyanide, fluoride, lead, mercury, nickel, nitrate, nitrite, selenium, thallium) by:

- ☐ New Source
- ☐ Source Reconstruction
- ☐ Treatment
- ☐ Other, specify: \_\_\_\_\_

**RISK CATEGORY 3:** Project will eliminate Other Primary Chemical Risk (ex: trihalomethanes, radionuclides, organic chemicals) by:

- ☐ New Source
- ☐ Treatment
- ☐ Other, specify: \_\_\_\_\_

**RISK CATEGORY 4:** Project will eliminate Secondary Chemical/Sea Water Intrusion Risk (ex: chloride, fluoride, iron, manganese, silver, sodium, sulfate, zinc) by:

- ☐ New Source
- ☐ Treatment
- ☐ Other, specify: \_\_\_\_\_

**RISK CATEGORY 5:** Proposed project will provide Infrastructure Replacement or other Distribution Improvements by:

- ☒ Installation of Source Meters
- ☒ Installation of Service Meters
- ☒ Installation of Distribution Reservoir (new/additional)
- ☒ Installation of Water Main / Distribution Improvements / Seismic Improvements
- ☒ Installation of Pressure Reduction Device(s)
- ☐ Installation of Backflow Prevention Device(s)
- ☒ Installation of Security Measures (*cameras, lighting, motion detectors, fencing, lab equipment, redundancy (systems & power), securing chemical and fuel storage, backflow prevention devices, pressure reduction devices, security hatches on reservoir/tank access panels and vents, other protective measures as necessary through a cross-connection control program*).
- ☐ Installation of Treatment Plant Discharge Improvements
- ☐ Other, specify: (such as telemetry, additional source)

## SECTION II: PROJECT INFORMATION

### B. PROJECT NEED:

**Describe in detail the problem(s) or need(s) that requires the water system to propose this project. Describe in specific terms the threat to public health and safety that the project will avert, or describe the opportunity the system wishes to capture by taking the proposed action at this time. The project need statement is not scored, but whenever possible, applicants are required to identify:**

- The number of people who are or will be affected by the problem;
  - The impacts that the existing situation has or will have on the system's operation and expenses;
  - The impacts that the existing situation has or will have on the environment and endangered species; and
  - Any other information that will put the need for the project in clear perspective.
- (Please limit to space below)

Cristalina Water currently has 88 residential connections and serves a population of approximately 336. The system loses pressure throughout the entire distribution system during times of power outages leading to concerns of backflow and microbial contamination to distribution system during pressure loss. Also during times of high usage (mainly in summer) areas farthest from the booster pumping facility lose all pressure again leading to concerns of backflow and microbial contamination in those specific areas. This problem may be in part due to undersized hydropneumatic tank and controls. System also has inadequate standby storage for the number of homes connected. There is shortfall of about 5,000 gallons.

Currently customers pay flat rate and there is no incentive to use water wisely. Project will also include the installation of meters on all service connections. This has several benefits. Operational costs are expected to decrease as customers use less water. The total amount of groundwater pumped is expected to decrease.

## SECTION II: PROJECT INFORMATION

### C. PROJECT SCOPE:

Describe in specific terms what will be done as part of this project. List materials to be used in approximate terms to allow flexibility (Examples: Install new filtration system; replace approximately 8,000 lineal feet of water line.)

#### Basic Scope of Work

The project will solve storage, reliability, and pressure problems by choosing most appropriate solution after engineering study. Possible solutions include but are not limited to: installation of standpipe or elevated storage; installation of backup generator along with pump station improvements and increase in ground storage capacity; and/or looping of dead end mains. Project will also upgrade system controls.

Project will install meters on all service lines and wells.

#### Phase II

If sufficient funds are available, replace approximately 12,000 ft of 6, 4 and 2 inch water mains.

D. USEFUL LIFE OF THE IMPROVEMENTS IS 20 YEARS.

### E. HOW WILL YOUR PROJECT CORRECT THE PROBLEM?

Describe in detail how the project addresses the needs and/or opportunities outlined in *Section II-B, Project Need*. If the project does not address all of the needs, explain what will be done to complete that effort. (Please limit to space below)

Project will solve pressure and reliability problems by improving pressure and storage throughout distribution system. Depending on engineering study, the most appropriate and cost effective solution will be chosen. Installation of meters will improve management of system and also lower operational costs.



**SECTION II: PROJECT INFORMATION****F. WATER RIGHTS:**

Does system currently have sufficient water rights for the project?



YES



NO

If "No," how and when will the rights be acquired?

**G. REQUIRED PERMITS:**

List permits required for the proposed project, including DOH project and construction documents, if applicable, and indicate status of each permit (e.g., applied for, pending, issued, etc.) If no permits are required, explain why.

Permit	Date submitted	Date issued
1. TBA		
2.		
3.		
4.		

**H. RESTRUCTURING BENEFIT:**

Does project change ownership of one or more systems?



YES



NO

If "Yes," identify the Group A systems involved by name and public water system identification number (PWSID):

Name:	PWSID #:
Name:	PWSID #:
Name:	PWSID #:
Name:	PWSID #:
Name:	PWSID #:

*A project that will result in physically restructuring (consolidating) water systems will receive three bonus points for each system being eliminated by the project. Attach additional pages if necessary. No maximum points.***I. REGIONAL BENEFIT:**

Does this project have a regional benefit?



YES



NO

If "Yes," identify up to five Group A systems involved by name and public water system identification number (PWSID):

Name:	PWSID #:
Name:	PWSID #:
Name:	PWSID #:
Name:	PWSID #:
Name:	PWSID #:

*A project that will benefit more than one water system will receive one bonus point for each additional system benefiting by the project, up to a maximum of five points.*

## SECTION III: FINANCIAL INFORMATION

### A. ESTIMATED PROJECT COSTS:

Preliminary engineering	\$ 10,000
Design engineering	\$ 80,000
Land/ROW acquisition	\$ 20,000
DOH Review/Approval Fees*	\$
Permits	\$
Environmental review	\$
Cultural/Historical survey	\$
Construction inspection	\$ 10,000
Public involvement information	\$
Audit costs	\$
Service meter costs (locating services, installation, excavation, disinfection / flushing connections, replacement of main damaged by service meter installation.)	\$ 30,000
Contingency (____ 20%)	\$ 100,000
Construction	\$ 300,000
Sales or use taxes	\$
<b>TOTAL ESTIMATED PROJECT COSTS</b>	<b>\$ 550,000</b>

\* The Office of Drinking Water charges a fee for review and approval of planning, design, and construction documents.

Please be aware additional project cost may incur due to competitive bidding, insurance cost, prevailing wage, attorney fees, archaeological survey, environmental review, etc.

### B. CONSTRUCTION SCHEDULE:

Activity	Current Status	Completion Date
Preliminary engineering	Pending	September 2008
Site/ROW acquisition	Pending	November '08 July 2008
Permits	Pending	Dec '08 December (no need to purchase)
Environmental review	Pending	
Cultural/Historical review	Pending	
Design documents	Pending	November 2008
Review and approval of planning, design and construction documents	Pending	Dec '08
Construction contract award	Pending	December 2008
Construction begins	Pending	February 2009
Project completion	Pending	August 2009

### SECTION III: FINANCIAL INFORMATION

#### C. SYSTEM IS APPLYING FOR RETROACTIVE FINANCING:

☐ YES ☒ NO

*Note: Publicly owned (municipal) projects constructed after July 1, 1993 may be eligible for retroactive reimbursement. Eligible projects may include those that address surface water, primary chemical contaminants (risk categories 2 and 3), and capital construction projects to address a compliance order. Projects where all construction occurred after January 1, 2007 receive a higher value. Projects constructed prior to January 1, 2007 receive a lower value. Please note that jurisdictions applying for a project that falls into both categories should submit separate projects (two applications) that list components and costs for each category. By submitting separate applications, the 2007-2008 portion of the project will be scored at the higher level. If submitted as a single application, the entire project will score at the lower level. Systems must demonstrate they have met all federal and state requirements, retroactively. Projects are not guaranteed funding, and failure to execute a loan contract will result in no DWSRF assistance being provided.*

**D. CURRENT MONTHLY WATER RATES: \$45**

**E. NUMBER OF WATER SYSTEM USERS: 88**

### SECTION III: FINANCIAL INFORMATION

#### F. LOAN FEE AND TOTAL LOAN REQUEST:

(a) \$ <u>550,000</u>	Input DWSRF loan request.
X .01	Multiply sub-total by .01.
(b) \$ <u>5,500</u>	This is the DWSRF loan fee.
	Add (a) and (b).
(c) \$ <u>555,500</u>	This is the total DWSRF loan request.

#### G. FUNDING SOURCES AND STATUS:

Will the DWSRF loan fully finance the project?

☒ YES ☐ NO

If "No", provide the following information about how the balance of the project will be financed.

Funding Source	Type of Funding	Amount	Status	Agreement Date

**Funding Source** = Federal Program, State Program, Bank, Water System, or Other

**Type of Funding** = Grant, Loan, or Revenue

**Status** = In-Hand, Proposed, or Planned

- Funds are *in-hand* if a formal notice of approval or contract for the funds is in place with the funding source. Local revenue must be in an approved budget to be considered *in-hand*.
- Funds are *proposed* if a formal application has been submitted to a funding source, and the funding source considers the application or funding request as having been submitted.
- Funds are *planned* if they are found in a formally adopted water system plan/small water system management program or its equivalent.

**Agreement Date** = The date when the agreement for the financing was signed or is expected to be signed.

#### SECTION IV: ENVIRONMENTAL INFORMATION

DWSRF applicants are required to complete the Project Review Sheet for Section 106 as part of their loan application. The State Environmental Review Process coordinator at the Department of Health, Office of Drinking Water is available to answer questions and to provide assistance. Contact Aleceia Tilley at (360) 236-3095.

### DWSRF PROJECT REVIEW SHEET for Section 106 Historic & Cultural Resources Review

**PROJECT NAME:** Cristalina Water

**FEDERAL AGENCY:** EPA DWSRF

<b>Applicant/Jurisdiction:</b>	Maria Lindberg, Owner
<b>Contact Person:</b>	Maria Lindberg
<b>City, State, Zip:</b>	Bellingham WA 98225
<b>Address:</b>	1200 Old Fairhaven Pkwy #106
<b>County:</b>	Whatcom
<b>Phone/Fax:</b>	360.296.7321 fax: 360.594.4211
<b>Email:</b>	maria@lindberggroup.com

<b>Requesting Agency/Jurisdiction:</b>	Attn: Aleceia Tilley, Cultural & Environmental Review Coordinator
Organization:	Department of Health, Office of Drinking Water
Address:	P.O. Box 47822
City, State, Zip:	Olympia, Washington 98504-7822
Phone:	(360) 236-3095

#### PLEASE DESCRIBE THE TYPE OF WORK TO BE COMPLETED (Be as detailed as possible to avoid having to provide additional information)

☐ **Provide a detailed description of the proposed project:**

The system loses pressure throughout the entire distribution system during times of power outages leading to concerns of backflow and microbial contamination to distribution system during pressure loss. Also during times of high usage (mainly in summer) areas farthest from the booster pumping facility lose all pressure again leading to concerns of backflow and microbial contamination in those specific areas. This problem may be in part due to undersized hydropneumatic tank and controls. System also has inadequate standby storage for the number of homes connected. There is shortfall of about 5,000 gallons.

Currently customers pay flat rate and there is no incentive to use water wisely. Project will also include the installation of meters on all service connections. This has several benefits. Operational costs are expected to decrease as customers use less water. The total amount of groundwater pumped is expected to decrease.

☐ **Describe the existing project site conditions:**

The project site will be conducted on the property of Tyler Barmore at 26610 309<sup>th</sup> Ave SE, Ravensdale WA 98054

☐ **Describe proposed ground disturbing activities:**

Ground disturbing activities include installing new distribution pipes and a meter for every service.

- ☐ Check if project is being constructed at or near a tribal lands.
- ☐ Check if project is being constructed at or near a known religious or culturally significant area.
- ☐ Check if project is being constructed at or near a large body of water.
- ☐ Check if building(s) will be demolished and/or altered. If so, please complete a DAHP Determination of Eligibility "EZ2" form for each building affected by the proposed project (forms can be accessed at [http://www.dahp.wa.gov/pages/Documents/documents/EZ2-Form\\_000.doc](http://www.dahp.wa.gov/pages/Documents/documents/EZ2-Form_000.doc)).

**PLEASE ATTACH A COPY OF THE RELEVANT PORTION OF A 7.5 SERIES  
USGS QUAD MAP AND OUTLINE THE PROJECT IMPACT AREA  
(USGS Quad maps are available online at <http://www.topozone.com>)**

**Project Location: Cristalina Pump House**

**Township: T22N**

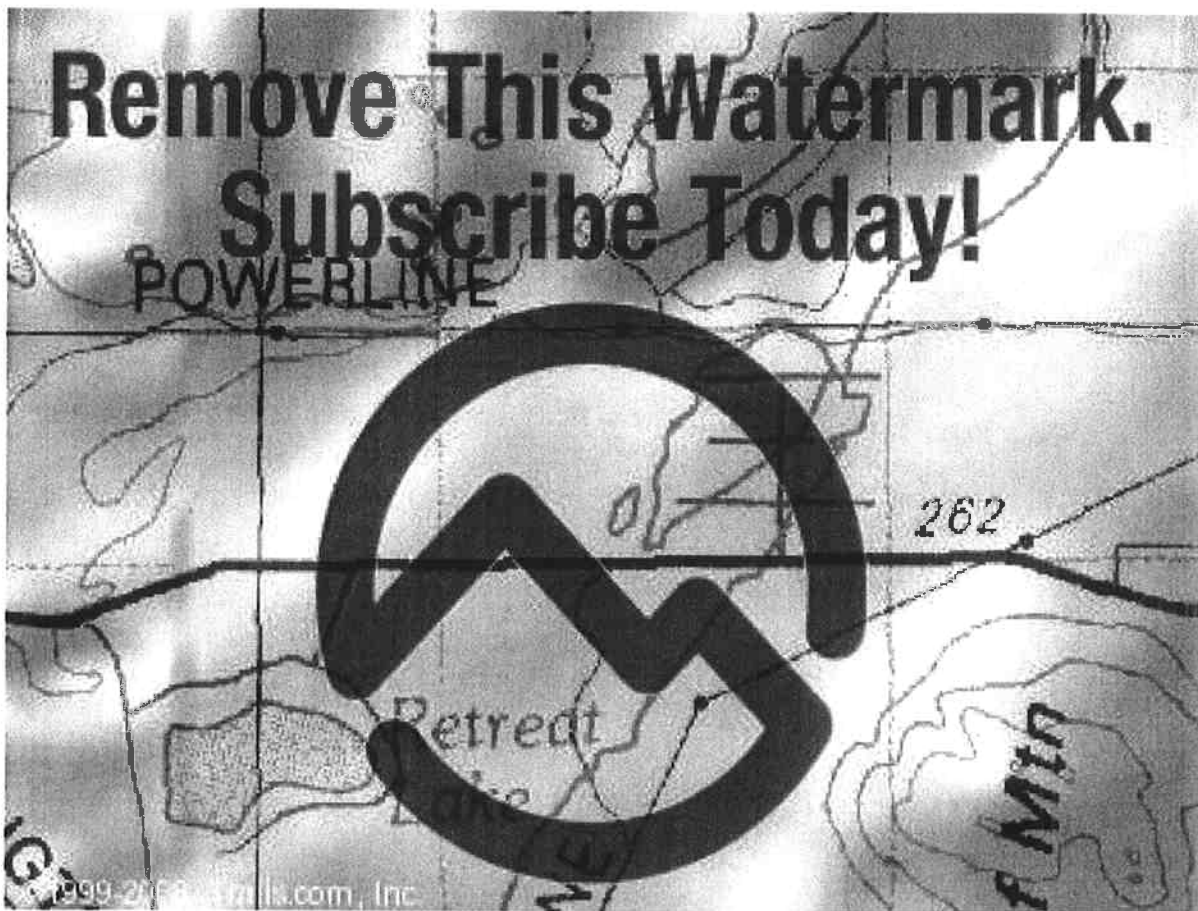
**Range: R7E**

**Section: 28**

**Address: 26610 309<sup>th</sup> Ave SE**

**City: Ravensdale**

**County: King**



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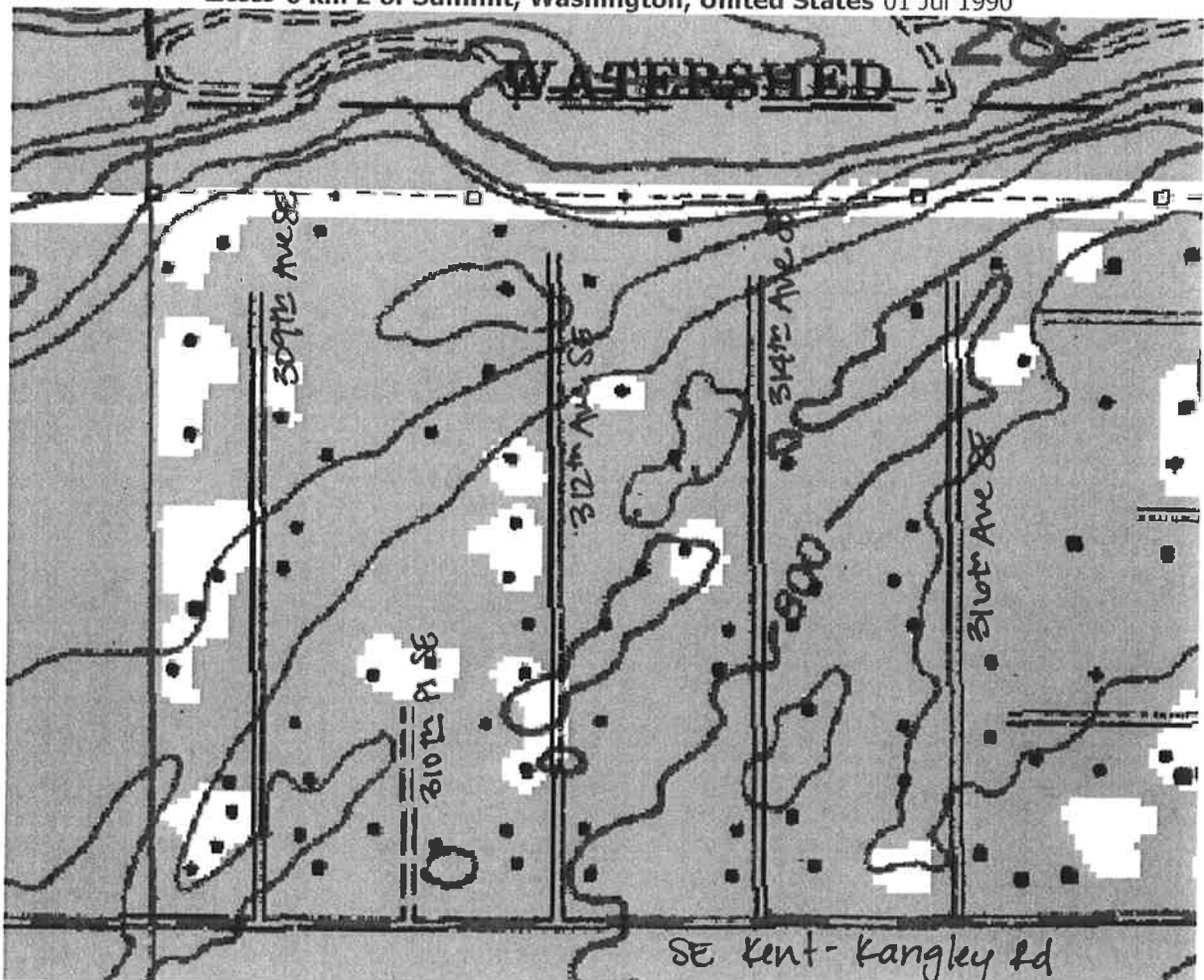
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USGS 6 km E of Summit, Washington, United States 01 Jul 1990





**APPLICANT CERTIFICATION**

WHEREAS, (water system name) Cristalina Water, is applying to the Washington State Drinking Water State Revolving Fund program for a low-interest loan for an eligible project.

WHEREAS, the borrower's governing body has approved submission of this application.

WHEREAS, it is necessary that certain conditions be met as part of the application process.

WHEREAS, the local governing body will comply with applicable provision of Public Law 104-182, The Safe Drinking Water Act (SDWA) Amendments of 1996, Section 1452; EPA general grant provisions in 40 CFR Part 31; and other applicable state and federal laws.

WHEREAS, RCW 43.155.060 requires that the project will be advertised for competitive bids and administered according to standard local procedure.

WHEREAS, RCW 39.12 requires public works projects use state prevailing wages.

WHEREAS, the loan will not exceed 100% of eligible costs incurred for the project.

WHEREAS, any loan arising from this application constitutes a debt to be repaid, and (person/title)

Maria Lindberg, Owner has reviewed and concluded it has the necessary capacity to repay such a loan.

WHEREAS, the information provided in this application is true and correct to the best of the applicant's belief and knowledge and it is understood that the state may verify information, and that untruthful or misleading information may be cause for rejection of this application or termination of any subsequent loan agreement.

NOW THEREFORE, (borrower) Maria Lindberg certifies that it meets these requirements, and further, that it intends to enter into a loan agreement with the Public Works Board, provided that the terms and conditions for a Drinking Water State Revolving Fund loan are satisfactory to both parties.

Signed:	
Title	Owner
Phone Number:	360.296.7321
Date:	May 2, 2008
ATTEST:	